

## NISTTech

PHOTONIC ARTICLE, PROCESS FOR MAKING AND USING SAME

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**Docket: 15-003**

### **Abstract**

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The FLOC (fixed-length optical cavity) gauges pressure by detecting subtle differences in the wavelength of light resonating in two channels: one filled with gas, the other in vacuum. A change in pressure alters the density of the gas, which lengthens or shortens the wavelength of light resonating in the gas-filled channel while light in the vacuum channel is unaffected.

### **Status of Availability**

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This invention is available for licensing exclusively or non-exclusively in any field of use.

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